



UAV DETECTION & CONTROL SYSTEM



I . Product Introduction

The system consists of striking equipment, detecting equipment and background operating system. The detection system can detect the electromagnetic signal emitted by the UAV and simultaneously detect multiple targets within 3km. With unattended automatic defense function, the defense range for all-weather protection.

It can be used in all kinds of emergency scene, security scene, important activity scene, airspace of confidential units and various places to prevent UAV from falling and wounding. By setting up in an appropriate position, a UAV protection area can be formed in the designated area, and the UAV cannot enter the area. It can set up 24 hours unattended no-fly zone.



II. Performance Characteristics

- 24-hour automatic real-time monitoring and defense
- Blacklist and whitelist
- No interference, no impact on the surrounding environment such as WIFI, Bluetooth, aircraft
- Synchronous all-round defense of multiple drones
- Early warning
- Dynamic networking Supports multiple networking through the cloud server, which is flexible and covers the whole area
- Defense mode: automatic defense, linkage with detection function, one key to open automatic defense, realize unattended
- System configuration: support flexible system configuration, adapt to a variety of environment and site requirements

III. Technical Specifications

Strike equipment parameters	
Number of frequency bands	8
Frequency coverage	BAND1: 410-470MHz; BAND2: 840-930MHz; BAND3: 1200-1300MHz; BAND4: 1420-1460MHz; BAND5: 1555-1650MHz; BAND6: 2400-2500MHz; BAND7: 5150-5350MHz; BAND8: 5725-5850MHz
Transmission power	BAND1-5: 25W; BAND6:100W; BAND7: 25W; BAND8: 100W
Beam width	360° in all directions
Radius	≥ 1500 meters
Supply voltage	AC100-240V
Working hours	continuous operation of AC power supply



Host weight	28.96kg
Antenna weight	0.36kg*8
Bracket weight	8.1kg
Host size	45*52.5*29.5cm
Antenna size	φ3.6*60cm
Bracket size	Base:46.5 x 65cm,height:142.5cm
Interference mode	Expel/force landing
Protection level	IP65
Operating environment	host:-20℃ - +55℃
Detection equipment parameters	
Supply voltage	AC100~240V
Dimension Diameter	318mm* height 359mm
Weight	9.5 kg
Detection power consumption	50W
Normal operating temperature	-25℃~55℃
Protection level	IP66
Network support	Tri-netcom
Positioning	GPS
Detection mode	radio passive automatic detection
Detection range	360 degrees full coverage
Detection frequency	2.4GHz/5.8GHz is standard
Detection range	5KM for stable detection
Early warning	The remote will detect it when it's turned on
Blacklist and whitelist	Identify blacklist and whitelist drones
ID identification	Identify the electronic fingerprint of UAV
Support identification protocol	LightBridge1; LightBridge2; Ocusync; Ocusync2.0; WIFI and WIFI variant protocol; Zigbee; Bluetooth
Background operating system parameters	
Name	Lenove
Model	Legion R7000 2020
Processor	AMD R5-4600H



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Graphics card	RTX 1650
Memory capacity	16GB
Solid state drive	1TB
Memory	4GB
Screen type	FHD IPS display
Screen size	15.6 inches
Screen ratio	16:09
Screen resolution	1920 x 1080 pixels
Screen refresh rate	165Hz
Operating system	Windows10 64